

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Superior Barrel and Drum - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: POLREP #40
Removal Action Complete, Final POLREP #40
Superior Barrel and Drum

Elk, NJ
Latitude: 39.6930670 Longitude: -75.1345550

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From: Keith Glenn, OSC/Environmental Scientist

Date: 9/26/2014

Reporting Period: July 9, 2014 through September 24, 2014

1. Introduction

1.1 Background

Site Number:	A23K	Contract Number:	EP-S2-10-01
D.O. Number:		Action Memo Date:	11/22/2013
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/30/2013	Start Date:	9/27/2013
Demob Date:	9/25/2014	Completion Date:	9/25/2014
CERCLIS ID:	NJD986630705	RCRIS ID:	

ERNS No.:

State Notification:

8/29/2013

FPN#:

Reimbursable Account #:

1.1.1 Incident Category

A Removal Action is required to identify remaining hazardous materials that are on-Site and properly contain and dispose of such.

1.1.2 Site Description

On August 29, 2013, the New Jersey Department of Environmental Protection (NJDEP) notified the United States Environmental Protection Agency (EPA) Region 2 Regional Emergency Operations Center (REOC) of deteriorated conditions at the Superior Barrel and Drum Site. NJDEP Emergency Response personnel requested the assistance of EPA On-Scene Coordinators (OSCs) with investigating conditions of containers at the facility.

On August 30, 2013, EPA OSCs met with NJDEP and Gloucester County officials at the Superior Barrel and Drum Site. Thousands of containers, mostly 275-gallon totes and 55-gallon drums, were observed along a public road as well as in the woods, wetlands, and elsewhere throughout the property. Containers were stacked several high in numerous locations and were shown to be various states of deterioration. Containers were found to be leaking, void of tops, exposed to weather elements, rusted, damaged due to gunshots, stored improperly, and laying on their sides. Numerous trailers were also found to be open and containing 55-gallon drums. The containers throughout the Site appeared to be full of contents, but most did not have labels. Labels on some containers include flammable liquids, corrosive, marine pollutant, flammable solid, oxidizer, and non-hazardous material.

NJDEP referred the Site to EPA on August 30, 2013 due to the conditions at the Site, including drum contents spilled in wetlands, contents pooling alongside the road, and unsecured access to the facility.

1.1.2.1 Location

The Superior Barrel and Drum Site is located at 798 Jacob Harris Lane in Elk Township, Gloucester County, New Jersey (coordinates 39.6869, -75.132314). The facility consists of a main processing building and numerous trailers located throughout the 5.5-acre property. The entrance to the facility is down a dirt road. The north end of the Site is bordered by Industrial Drum Company, a competitor in the drum reconditioning business. A chain-link fence separates the two properties. Jacob Harris Lane marks the eastern boundary of the Site, beyond which is a densely forested property. To the south are private lands which are also densely wooded with several marshy areas. The western boundary is State Route 55, a major highway. Currently, the facility is inoperable with last known operation activity occurring in 2012. Several companies have been to the property in efforts to remove machinery and equipment. The Site is open to persons traveling along Jacob Harris Lane, a public road. The Site is unsecured from each direction and evidence of trespassers has been noted. All doors of the main building and trailers are open.

The Site consists of two operational areas. The main area is 2.4 acres in size and includes a permanent steel structure with deteriorated machinery. This area would receive containers, rinse the containers, and recondition them for future market. Containers are located throughout this area. The additional operational area appears to be mainly for storage of full 275-gallon totes and 55-gallon drums, with several trailers holding containers. This area encompasses approximately 0.32 acre of land. Both areas show signs of impact from leaking containers or dumping of materials.

1.1.2.2 Description of Threat

The facility is located in a federally recognized wetland. Thousands of containers are in various states of deterioration and leaking containers have been noted. Many labels on containers indicate that contents are hazardous substances; however, the property owner and his attorney have stated that the drums are of unknown contents. The facility is unsecured with access from a public road and surrounding trails. Shotgun shells from target practice on containers are evidence of trespassers, along with signs of vandalism.

Companies that are located in the immediate area, along Jacob Harris Lane, are on private water wells. Residential properties located along Whig Road (<1/4 mile away) and Aurora Road (<1/2 mile) are also on private well water.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

NJDEP collected samples from four (4) random containers, all 55-gallon drums. Field screening tests were conducted on them using Photoionization Detectors, HazMat ID, pH, flash point, and others. Contents revealed materials to be corrosive, highly flammable, and having high readings of volatile organic compounds (VOCs). The materials sampled did not reflect the labels on the containers.

A Removal Assessment was completed on September 27, 2013. Approximately 252 containers were opened and aliquots were collected for HazCat. Field laboratory results indicated the presence of hazardous characteristics. Samples were collected from select drums and totes where they were shipped to NELAC accredited laboratories. Analytical results showed toluene, benzene, TCE, PCBs, lead and many other hazardous substances are present in the containers. Soil samples also showed attribution between the materials in the containers and those in the soil.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

All response and removal operations were completed on September 25, 2014.

2.1.2 Response Actions to Date

To view removal actions completed during other operational periods, please refer to previous Pollution Reports.

On July 8, 2014 the last remaining waste was removed from the Superior Barrel and Drum Site. Between July and September 2014 sampling of on-site soils and groundwater was conducted. Although soil results indicated concentrations of material below regulatory and health guidelines for commercial properties, a limited amount of surface soil was removed from the Site. Areas were selected based on staining, presence of a sheen and visual impacts from containerized materials that leaked onto the ground.

On September 10, 2014 all areas identified for removal were scraped from surface to no greater than one (1) foot. All soil was stockpiled on the concrete pad located adjacent to the on-site building. Composite samples were collected the following day and sent to a local laboratory for analysis in preparation for disposal. Staged soil was covered and contained to prevent exposure to weather elements. Results confirmed the material was non-hazardous soil and on September 17, 2014 a subcontract was awarded for the removal of soil. On September 24, 2014 approximately 60 yd3 of non-hazardous soil was removed from the Site and sent to an appropriate facility.

All personnel and equipment were demobilized from the Site following the removal of soil.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

EPA has designated Bonnie Hriczko as the enforcement case officer. Efforts to identify additional PRPs continues as additional 104(e) letters have been submitted for information gathering.

2.1.4 Progress Metrics

<i>Date Shipped</i>	<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal Facility</i>
1/30/2014	Waste Inorganic Liquid	Liquid Wastes	4,500 gallons (37 containers)	012500207	Landfill,Wastewater Treatment, Incineration, Neutralization	Advanced Disposal (CCL),Environmental Recovery Corp., Heritage-WTI, Vickery Environmental
2/6/2014	Waste Flammable Solid	Solid Wastes	982 gallons (7 containers)	012500266	Fuel Blending,Incineration	Ross Incineration Services; Geocycle; Buzzi Unicem USA
2/6/2014	Waste Flammable Corrosive, Acidic Solid	Solid Wastes	55 gallons (1 container)	012500266	Incineration	Heritage - WTI
2/6/2014	Waste Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	381 gallons (9 containers)	012500266	Aqueous Treatment, Stabilization,Landfill	EQ of Detroit;Advanced Disposal (CCL);Max Environmental
2/6/2014	Waste Chromium and Lead Contaminated Solid	Solid Wastes	168 gallons (4 containers)	012500266	Neutralization/Stabilization,Landfill	MAX Environmental;Vickery Environmental
2/6/2014	Waste Mercury Contaminated Corrosive, Inorganic, Acidic Liquid	Liquid Wastes	165 gallons (3 containers)	012500266	Aqueous Treatment	EQ of Detroit
2/6/2014	Waste Corrosive, Acidic Liquid Mixture	Mixed Wastes	92 gallons (2 containers)	012500266	Aqueous Treatment,Incineration	EQ of Detroit;Ross Incineration Services
2/6/2014	Waste Corrosive, Organic, Acidic Liquid	Liquid Wastes	55 gallons (1 container)	012500266	Landfill	Advanced Disposal (CCL)
2/6/2014	Waste Flammable Liquid and Solid Mixture	Solid Wastes	475 gallons (9 containers)	012500266	Incineration	Ross Incineration Services
2/6/2014	Waste Flammable Liquid and Solid Mixture	Mixed Wastes	1,362 gallons (11 containers)	012500266	Incineration;Fuel Blending	Ross Incineration Services;Geocycle
2/20/2014	Waste Corrosive, Inorganic, Basic Liquid	Liquid Wastes	1,509 gallons(13 containers)	12500358	Neutralization/ Landfill	Vickery Environmental, Inc and Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Selenium Contaminated, Inorganic, Basic	Liquid Wastes	190 gallons (2 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.

	Liquid					
2/20/2014	Waste Corrosive, Lead Contaminated, Inorganic, Basic Liquid	Liquid Wastes	475 gallons (5 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Lead Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	190 gallons (2 containers)	12500358	Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Chromium Selenium Contaminated, Inorganic, Basic Liquid	Liquid Wastes	1,235 gallons (7 containers)	12500358	Neutralization/ Landfill and Deep Well Injection	Vickery Environmental, Inc.
2/20/2014	Selenium Contaminated Liquid	Liquid Wastes	1,285 gallons (7 containers)	12500358	Neutralization/ Landfill	Max Environmental Technologies, Inc.
2/20/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	285 gallons(3 containers)	12500358	Neutralization/ Stabilization/ Landfill	Max Environmental Technologies, Inc.
2/27/2014	Waste Flammable, Chloroform Contaminated	Liquid Wastes	1270 gallons (10 containers)	12500457	Incineration,Fuel Blending	Ross Incineration Services; Geocycle; Heritage - WTI
2/27/2014	Benzene Contaminated Liquid	Liquid Wastes	1840 (9 Containers)	12500457	Incineration;Fuel Blending	Ross Incineration Services; Geocycle
2/27/2014	Waste Corrosive, Organic, Basic Liquid	Liquid Wastes	95 gallons (1 Container)	12500457	Stabilization/Landfill	Max Environmental
2/27/2014	Lead Contaminated Liquid	Liquid Wastes	250 gallons (1 container)	12500457	Neutralization/Landfill	Max Environmental
2/28/2014	Waste, Flammable Liquid	Liquid Wastes	4700 gallons (24 containers)	11519302	Incineration	Tradebe Treatment and Recycling Northeast LLC
3/5/2014	Waste, Flammable Liquid	Liquid Wastes	5000 gallons (55 containers)	11519349	Fuel Blending/ Incineration, Ultrafiltration, Chemical Precipitation and Carbon Absorption	Tradebe Treatment and Recycling Northeast LLC
3/7/2014	Waste, Flammable Liquid	Liquid Wastes	4,500 gallons (50 containers)	11519380	Fuel Blending/ Incineration, Ultrafiltration, Chemical Precipitation and Carbon Absorption	Tradebe Treatment and Recycling Northeast LLC
3/20/2014	Propane	Liquid Propane	10 cylinders	WO#0472701	Recycling	Suburban Propane
3/28/2014	Waste, Flammable Corrosive Acidic Liquid	Liquid Waste	625 gallons (2 containers)	12224910	Fuel Blending	Geocycle
3/28/2014	Waste, Flammable Chromium and Lead Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending	Geocycle
3/28/2014	Waste, Flammable Lead and Benzene Sludge	Mixed Waste	250 gallons (1 container)	12224910	Fuel Blending	Geocycle
3/28/2014	Waste, Flammable Liquid	Liquid Waste	250 gallons (1 container)	12224910	Incineration	Ross Incineration
3/28/2014	Flammable Paint Related	Liquid Waste	1200 gallons (2 containers)	12224910	Fuel Blending	Geocycle
3/28/2014	Waste, Flammable Lead Contaminated	Liquid Waste	1250 gallons (5 container)	12224910	Incineration	Ross Incineration
3/28/2014	Waste, Flammable Solid	Solid Waste	275 gallons (1 container)	12224910	Fuel Blending	Geocycle
3/28/2014	Waste, Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	350 gallons (1 container)	12224910	Fuel Blending	Geocycle

3/28/2014	Waste, Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons (1 container)	12224910	Incineration	Ross Incineration
3/28/2014	Waste, Flammable Solid	Solid Waste	1250 gallons (2 containers)	12224910	Fuel Blending	Geocycle
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	440 gallons(8 containers)	12224914	Fuel Blending	Geocycle
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	275 gallons(5 containers)	12224914	Fuel Blending	Geocycle
3/31/2014	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending	Giant Resource Recovery
3/31/2014	Flammable Liquid, Lab Flash	Liquid Waste	40 gallons(2 containers)	12224914	Fuel Blending	Cycle Chem
3/31/2014	Flammable Corrosive Acidic Resin	Mixed Waste	275 gallons(5 containers)	12224914	Fuel Blending	Giant Resource Recovery
3/31/2014	Flammable Corrosive Acidic	Liquid Waste	660 gallons(12 containers)	12224914	Fuel Blending/Incineration	Geocycle; Ross Incineration
3/31/2014	Flammable Corrosive Acidic Resin/Water Mix	Mixed Waste	165 gallons(3 containers)	12224914	Incineration	Ross Incineration
3/31/2014	Flammable Corrosive Acidic Resin Sludge	Mixed Waste	110 gallons(2 containers)	12224914	Fuel Blending	Giant Resource Recovery
3/31/2014	Flammable Corrosive Basic Inorganic/Organic Mix	Liquid Waste	55 gallons(1 container)	12224914	Incineration	Ross Incineration
3/31/2014	Flammable Paint Related	Liquid Waste	216 gallons(10 containers)	12224914	Fuel Blending	Geocycle
3/31/2014	Flammable Lead Contaminated	Liquid Waste	40 gallons(2 containers)	12224914	Fuel Blending	Geocycle
3/31/2014	Corrosive Inorganic Basic	Liquid Waste	110 gallons(2 containers)	12224914	Neutralization	Max Environmental Technologies
4/3/2014	Flammable Paint Related Material	Liquid Waste	1020 gallons(12 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Chromium and Lead Contaminated Sludge	Mixed Waste	510 gallons(6 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Lead and Benzene Contaminated Sludge	Mixed Waste	765 gallons(9 containers)	12224943	Fuel Blending	Geocycle; Giant Resource Recovery
4/3/2014	Flammable Liquid	Liquid Waste	85 gallons(1 container)	12224943	Fuel Blending	Giant Resource Recovery
4/3/2014	Flammable Sludge	Mixed Waste	170 gallons(2 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Liquid/Sludge	Mixed Waste	1045 gallons(11 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Liquid	Liquid Waste	255 gallons(3 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Lead Contaminated Liquid	Liquid Waste	95 gallons(1 container)	12224943	Fuel Blending	Geocycle

4/3/2014	Flammable Paint Related Material	Liquid Waste	425 gallons(5 containers)	12224943	Fuel Blending	Geocycle
4/3/2014	Flammable Sludge	Mixed Waste	765 gallons(9 containers)	12224943	Fuel Blending	Geocycle; Giant Resource Recovery
4/4/2014	Flammable Lead and Benzene Contaminated Liquid	Mixed Waste	170 gallons(2 containers)	12224944	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/4/2014	Flammable Lead Contaminated Sludge	Mixed Waste	1020 gallons(12 containers)	12224944	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/4/2014	Flammable Lead Contaminated Sludge	Mixed Waste	340 gallons(4 containers)	12224944	Fuel Blending	Giant Resource Recovery
4/4/2014	Flammable Solid	Solid Waste	2795 gallons(35 containers)	12224944	Fuel Blending	Geocycle; Giant Resource Recovery
4/4/2014	MEK Contaminated Liquid	Liquid Waste	760 gallons(8 containers)	12224944	Incineration	Ross Incineration
4/4/2014	Flammable Solid	Solid Waste	95 gallons(1 container)	12224944	Fuel Blending	Geocycle
4/8/2014	Flammable Chromium, Lead and Chloroform Contaminated Liquid/Water Mixture	Liquid Waste	3366 gallons (35 containers)	12224919	Fuel Blending	Veolia Environmental Services
4/8/2014	Propane	Liquid Propane	3 cylinders	WO#0472709	Recycling	Suburban Propane
4/9/2014	Flammable Resin Sludge	Mixed Waste	765 gallons (9 containers)	12224953	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/9/2014	Flammable Lead and Chromium Contaminated Liquid/Water Mix	Liquid Waste	85 gallons (1 container)	12224953	Incineration	Ross Incineration
4/9/2014	Flammable Lead Contaminated Resin Solids	Solid Waste	1200 gallons (4 containers)	12224953	Fuel Blending	Giant Resource Recovery
4/9/2014	Flammable Resin Solids	Solid Waste	1500 gallons (5 containers)	12224953	Fuel Blending/Incineration	Giant Resource Recovery; Ross Incineration
4/9/2014	Flammable Adhesive	Mixed Waste	170 gallons (2 containers)	12224953	Fuel Blending	Geocycle
4/9/2014	Flammable Adhesive	Mixed Waste	680 gallons (8 containers)	12224953	Fuel Blending	Geocycle
4/9/2014	Flammable Adhesive	Mixed Waste	255 gallons (3 containers)	12224953	Fuel Blending/Incineration	Giant Resource Recovery; Ross Incineration
4/9/2014	Flammable Liquid	Liquid Waste	265 gallons (3 containers)	12224953	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/9/2014	Class 4.1 Flammable Solids	Solid Waste	6300 gallons (21 containers)	12224953	Fuel Blending/Incineration	Giant Resource Recovery; Ross Incineration
4/10/2014	Flammable Chromium, Lead and Chloroform Contaminated Liquid/Water Mixture	Liquid Waste	2800 gallons (45 containers)	12224950	Fuel Blending	Veolia Environmental Services

4/14/2014	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3531 gallons(36 containers)	12224949	Fuel Blending	Veolia Environmental Services
4/16/2014	Flammable Chromium, Benzene, Lead Contaminated Liquid	Liquid Waste	3416 gallons(24 containers)	12224978	Fuel Blending	Veolia Environmental Services
4/17/2014	Flammable Liquids	Liquid Waste	255 gallons(3 containers)	12224974	Fuel Blending	Geocycle
4/17/2014	Flammable Solids	Solid Waste	8700 pounds(29 containers)	12224974	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/17/2014	Flammable Liquids	Liquid Waste	595 gallons(7 containers)	12224974	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/17/2014	Flammable Resins and Paint	Solid Waste	1200 pounds(4 containers)	12224974	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/17/2014	Hazardous Waste (MEK, PCE)	Liquid Waste	850 gallons(10 containers)	12224974	Fuel Blending/Incineration	Geocycle; Ross Incineration
4/17/2014	Flammable Liquids	Liquid Waste	1450 gallons(6 containers)	12224975	Fuel Blending	Geocycle
4/17/2014	Flammable Solids	Solid Waste	1400 pounds(2 containers)	12224975	Incineration	Ross Incineration
4/17/2014	Hazardous Waste (MEK, PCE)	Liquid Waste	1000 gallons(4 containers)	12224975	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/7/2014	Flammable, Corrosive Basic Liquid	Liquid Waste	2605 gallons (24 containers)	12264559	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/7/2014	Flammable, Corrosive Acidic Liquid	Liquid Waste	1195 gallons (13 containers)	12264559	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/7/2014	Flammable Paint-Related Material	Liquid Waste	880 gallons (9 containers)	12264559	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/8/2014	Flammable Liquid	Liquid Waste	3905 gallons (34 containers)	12264560	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/8/2014	Flammable Liquid (Water-Reactive)	Liquid Waste	875 gallons (7 containers)	12264560	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/8/2014	Flammable Solid and Debris	Solid Waste	670 gallons (4 containers)	12264560	Incineration	Ross Incineration
5/15/2014	Flammable Liquids, Corrosive	Liquid Waste	425 gallons (5 containers)	12264585	Incineration	Ross Incineration
5/15/2014	Flammable Liquids, Corrosive	Liquid Waste	250 gallons (1 container)	12264585	Incineration	Ross Incineration
5/15/2014	Hazardous Waste (TCE)	Liquid Waste	850 gallons (10 containers)	12264585	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/15/2014	Hazardous Waste (TCE)	Liquid Waste	500 gallons (2 containers)	12264585	Fuel Blending/Incineration	Geocycle; Ross Incineration
5/22/2014	Oxidizing Solids	Solid Waste	3300 gallons (11 containers)	12224992	Landfill	EQ Detroit, Inc.

5/23/2014	Non-hazardous Debris	Solid Waste	20 yd ³	5081-35061	Landfill	Conestoga Landfill
5/27/2014	Non-hazardous Debris	Solid Waste	20 yd ³	5081-35053	Landfill	Conestoga Landfill
5/27/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35054	Landfill	Conestoga Landfill
5/28/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35060	Landfill	Conestoga Landfill
5/30/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35059	Landfill	Conestoga Landfill
6/02/2014	Non-HazardousNon-Regulated	Liquid Waste	5,915 gallons (64 containers)	D7397	Treatment/Solidification	ERC
6/02/2014	Non-HazardousNon-Regulated	Liquid Waste	6,000 gallons (81 containers)	D7369	Treatment/Solidification	ERC
6/02/2014	Non-HazardousNon-Regulated	Solid Waste	20 yd ³ (54 containers)	RO 1	Landfill	Conestoga Landfill
6/03/2014	Non-HazardousNon-Regulated	Liquid Waste	6,100 gallons (55 containers)	D7406	Treatment/Solidification	ERC
6/03/2014	Non-HazardousNon-Regulated	Liquid Waste	6,000 gallons (55 containers)	D7406	Treatment/Solidification	ERC
6/03/2014	Non-HazardousNon-Regulated	Solid Waste	20 yd ³ (47 containers)	RO 2	Landfill	Conestoga Landfill
6/04/2014	Non-HazardousNon-Regulated	Liquid Waste	6,180 gallons (54 containers)	D7407	Treatment/Solidification	ERC
6/04/2014	Non-HazardousNon-Regulated	Liquid Waste	6,000 gallons (39 containers)	D7409	Treatment/Solidification	ERC
6/04/2014	Flammable Paint	Liquid Waste	55 gallons(1 container)	12499479	Fuel Blending	Geocycle
6/04/2014	Flammable Paint	Liquid Waste	1,360 gallons(16 container)	12499479	Fuel Blending/Incineration	Geocycle; Ross Incineration
6/04/2014	Flammable Liquid/Sludge Mixture	Liquid/Sludge Waste	1,615 gallons (19 containers)	12499479	Incineration	Ross Incineration
6/04/2014	Flammable Liquid/Sludge Mixture	Liquid/Sludge Waste	1,615 gallons(2 containers)	12499479	Incineration	Ross Incineration
6/04/2014	Mercury Switches	Liquid Waste	2 pounds(12 ampules)	12499479	Retort	AERC Recycling Solutions
6/05/2014	Non-HazardousNon-Regulated	Liquid Waste	6,300 gallons (50 containers)	D7408	Treatment/Solidification	ERC
6/05/2014	Non-HazardousNon-Regulated	Liquid Waste	6,050 gallons (27 containers)	D7411	Treatment/Solidification	ERC
6/06/2014	Non-HazardousNon-Regulated	Liquid Waste	6,100 gallons (51 containers)	D7413	Treatment/Solidification	ERC
6/06/2014	Non-HazardousNon-Regulated	Liquid Waste	5,800 gallons (44 containers)	D7410	Treatment/Solidification	ERC
6/09/2014	Non-HazardousNon-Regulated	Sludge Waste	3,750 gallons (59 containers)	D7688	Landfill	Modern LF
6/10/2014	Non-HazardousNon-Regulated	Sludge Waste	1,525 gallons	D7690	Landfill	Modern LF
6/12/2014	TCE Sludge	Sludge Waste	2,800 gallons (34 containers)	7881952	Fuel Blending	Geocycle; Systech Environmental

6/17/2014	Flammable	Liquid Waste	4,225 gallons (49 containers)	13234319	Incineration	Tradebe Treatment and Recycling
6/17/2014	Non-Hazardous Non-Regulated	Solid Waste	30 yd ³	49400H	Landfill	Conestoga Landfill
6/17/2014	Tires	Waste	30 yd ³	--	Recycling	Elk Township
6/19/2014	Flammable	Liquid Waste	2,500 gallons (34 containers)	13234350	Incineration	Tradebe Treatment and Recycling
6/19/2014	Flammable	Sludge Waste	2,500 gallons (8 containers)	13234350	Incineration	Tradebe Treatment and Recycling
6/19/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35055	Landfill	Conestoga Landfill
6/23/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35056	Landfill	Conestoga Landfill
6/23/2014	TCE Liquid	Liquid Waste	5,290 gallons (36 containers)	3088467	Incineration	Clean Harbors Deer Park
6/23/2014	Flammable Sludge	Sludge Waste	4,786 gallons (18 containers)	13234441	Incineration	Tradebe Treatment and Recycling
6/23/2014	Scrap Metal	Waste	80 yd ³	313442, 313895	Recycling	Giordano's Recycling
6/24/2014	Non-hazardous Debris	Solid Waste	20 yd ³	5081-35057	Landfill	Conestoga Landfill
6/24/2014	TCE Liquid	Liquid Waste	3,200 gallons (34 containers)	3088468	Incineration	Clean Harbors Deer Park
6/24/2014	Flammable Sludge	Sludge Waste	1,846 gallons (59 containers)	13234452	Incineration	Tradebe Treatment and Recycling
6/25/2014	Scrap Metal	Waste	40 yd ³	314427	Recycling	Giordano's Recycling
6/26/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-35058	Landfill	Conestoga Landfill
6/27/2014	Non-hazardous Debris	Solid Waste	30 yd ³	5081-34611	Landfill	Conestoga Landfill
6/27/2014	Scrap Metal	Waste	40 yd ³	314996	Recycling	Giordano's Recycling
07/08/2014	Flammable Liquid	Liquid Waste	380 gallons (4 containers)	13324318	Incineration	Ross Incineration
07/08/2014	Flammable Liquid	Liquid Waste	2,890 gallons (34 containers)	13324318	Incineration	Ross Incineration
07/08/2014	Flammable Liquid	Liquid Waste	750 gallons (3 containers)	13324318	Incineration	Ross Incineration
07/08/2014	TCE Mixed	Sludge Waste	170 gallons (2 containers)	13324318	Incineration	Ross Incineration
07/08/2014	TCE Waste	Liquid Waste	935 gallons (11 containers)	13324318	Incineration	Ross Incineration
07/08/2014	Flammable Liquid	Liquid Waste	1,445 gallons (17 containers)	13324317	Incineration	Ross Incineration
09/24/2014	Non-Hazardous Soil	Solid Waste	60 yd ³	D001 – D003	Landfill	Conestoga Landfill

DISPOSAL FACILITY	ADDRESS
AERC Recycling Solutions	2591 Mitchell Avenue, Allentown, PA 18103
Clean Harbors La Porte/Deer Park	500 Independence Parkway South, La Porte, TX 77571
Conestoga Landfill	420 Quarry Road, Morgantown, PA 19543
Cycle Chem/Clean Ventures Inc.	550 Industrial Drive, Lewisberry, PA 17339

Cumberland County Landfill (CCL), (Advanced Waste), (Interstate Waste Services)	135 Vaughn Road, Shippensburg, PA 17257
Environmental Recovery Corp. (ERC)	1076 Manheim Pike, Lancaster, PA 17601
Envirosafe Services of Ohio	876 Otter Creek Road, Oregon, OH 43616
EQ of Detroit, Inc.	1923 Frederick Street, Detroit, MI 48211
Geocycle, LLC	2175 Gardner Boulevard, Holly Hill, SC 29059
Giant Cement Company	654 Judge Street, Harleyville, SC 29448
Giordano's Recycling	110 North Mill Road, Vineland, NJ 08360
Lone Star Industries (Buzzi Unicem USA)	2524 South Sprigg Street, Cape Girardeau, MO 63701
Max Environmental Technologies, Inc.	Road #1, Yukon, PA 15698
Modern Landfill (Republic Services, Inc.)	4400 Mt. Pisgah Road, York, PA 17406
Ross Incineration Services, Inc.	36790 Giles Road, Grafton, OH 44044
Suburban Propane	997 N. Pearl Street, Bridgeton, NJ 08302
Tradebe Treatment and Recycling Northeast LLC	136 Gracey Avenue, Meriden, CT 06451
Veolia Environmental Services	125 Factory Lane, Middlesex, NJ 08846
Vickery Environmental, Inc.	3956 State Route 412, Vickery, OH 43464

2.2 Planning Section

2.2.1 Anticipated Activities

No additional removal activities are currently scheduled.

2.2.1.1 Planned Response Activities

Results associated with the comprehensive investigation, including soil and groundwater, will be presented in a Removal Site Evaluation to be generated at another time.

2.2.2 Issues

None to report at this time.

2.3 Logistics Section

All equipment and personnel have been demobilized from the Site. No additional logistical needs are anticipated.

2.4 Finance Section

2.4.1 Narrative

On September 4, 2013, \$250,000 was given to the Kemron ERRS contract to perform an emergency removal assessment.

On September 27, 2013, \$600,000 was verbally authorized for the commencement of a Removal Action.

On November 22, 2013, the Regional Administrator approved the Action Memorandum documenting the verbal authorization of funding allocation, 12- month exemption, and request for ceiling increase. The Action Memo provides for a total project ceiling of \$4,080,000, of which \$3,500,000 is for mitigation.

On December 2, 2013, EPA allocated an additional \$500,000 to the ERRS contractor for mitigation activities.

On December 24, 2013, EPA allocated an additional \$200,000 to the ERRS contractor for mitigation activities.

On February 13, 2014 EPA allocated an additional \$250,000 to the ERRS contractor for mitigation activities.

On March 6, 2014 EPA allocated an additional \$550,000 to the ERRS contractor for mitigation activities.

On May 28, 2014 EPA allocated an additional \$150,000 to the ERRS contractor for mitigation activities.

On September 11, 2014 EPA allocated an additional \$50,000 to the ERRS contractor for mitigation activities.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Assessment	\$250,000.00	\$242,978.00	\$7,022.00	2.81%
ERRS - Removal Action	\$2,190,946.00	\$2,060,363.00	\$130,583.00	5.96%
START - RV	\$350,000.00	\$312,725.62	\$37,274.38	10.65%
START - RA (Includ CLP)	\$400,000.00	\$362,673.00	\$37,327.00	9.33%

Intramural Costs				
USEPA - Direct	\$4,430,000.00	\$0.00	\$4,430,000.00	100.00%
USEPA - InDirect	\$1,445,509.00	\$0.00	\$1,445,509.00	100.00%
Total Site Costs	\$9,066,455.00	\$2,978,739.62	\$6,087,715.38	67.15%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

Safety Officers have been identified through RST and ERRS. Health and Safety Plans have been completed by each contractor. Daily tailgate briefings are conducted.

From October 16 - 18, 2013 a Kemron Industrial Hygienist visited the Site and conducted a health and safety audit. Comments were addressed in the field and a report was generated on November 12, 2013. EPA conducted a health and safety audit on November 5, 2013. All recommendations were addressed following the report generated on November 6, 2013.

2.5.2 Liaison Officer

The OSC is acting Liaison Officer with local, State, and County officials.

2.5.3 Information Officer

Sophia Kelley has been designated as the Community Involvement Coordinator for the Superior Barrel and Drum Site. Ms. Kelley can be reached at 212-637-3670. Elias Rodriguez is the press coordinator and can be reached at 212-637-3664. Christopher Sebastian is the inter-governmental liaison and can be reached at 212-637-3597. George Zachos is the Regional Public Liaison and can be reached at 1-888-BUDSMAN.

Community Updates were approved by PAD on October 23, 2013, January 29, 2014 and July 13, 2014. The updates can be found in the Documents section of the website as well as the external website.

On February 27, 2014 the CIC visited the area to distribute fact sheets and meet with local area residents.

3. Participating Entities

3.1 Unified Command

Unified Command is currently not being used.

3.2 Cooperating Agencies

EPA is coordinating efforts with various entities that have proven to be extremely helpful in the success of this project, including but not limited to:

- NJDEP
- Gloucester County HazMat Team and Department of Emergency Response
- Gloucester County Fire Marshal and Fire Department
- Police Department
- Glassboro Water Department
- Elk Township
- USFWS

4. Personnel On Site

No personnel remain on-scene.

5. Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

CERCLA - Comprehensive Environmental Response, Compensation and Liability Act of 1980 (42 U.S.C. Section 9601).

E Goods - Electronic machines which contain hazardous components.

Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

EPA - United States Environmental Protection Agency

ERRS - Emergency and Rapid Response Services contract.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

FWS or **U.S. FWS** - United States Fish and Wildlife Service.

HazCat - Hazardous Categorization, a field technique which utilizes a series of chemical tests on samples collected in the field (aliquots) to determine the characteristics of hazardous and non-hazardous substances. The characteristics which can be determined include matrix (material state), solubility, combustibility, flammability, pH and the presence of oxidizers, peroxides, sulfides, PCB, cyanide.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

NELAC - National Environmental Laboratory Accreditation Conference.

NJDEP - New Jersey Department of Environmental Protection.

OSC - Federal On-Scene Coordinator.

OSHA - Occupational Safety and Health Administration.

PCBs - Polychlorinated biphenyls, a class of chemical compounds.

PPE - Personal protective equipment.

PRP - Potentially Responsible Party.

RCRA - Resource Conservation and Recovery Act.

REOC - EPA Region II Regional Emergency Operations Center.

RMP - Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

RST - Removal Support Team contract.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

TCE - Trichloroethylene.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities.

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/SuperiorBarrelAndDrum

<http://www.epa.gov/region2/superfund/removal/superiorbarrel/>

6.2 Reporting Schedule

This is final report for the Superior Barrel and Drum Site under this Removal Action.

7. Situational Reference Materials

www.epaosc.org/SuperiorBarrelAndDrum

www.epa.gov/region2/superfund/removal/superiorbarrel/